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SUPPLEMENT TO
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4. The Second, or the Electrotechnical, Section is subdivided into three departments.
 - a. Work is being done on old German radar models which make up the three permanent radar stations in Czechoslovakia. One radar train and one anti-aircraft train were also left behind by the Germans and adapted by the Skoda Works under the supervision of the Institute. A new type radar instrument, to be used in aircraft, has been developed here.
 - b. The Radio Department is continuing work on the "Skrivanek" (nightingale), a radio sending and receiving set for aircraft.
 - c. Research on and eventual production of teleprinters and cipher machines has been transferred to the Elplys firm at Podmokly (Bodenbach - N51/F 56).
 - d. A television camera and transmitter using 625 lines has been constructed and test telecasts have already been made.
 - e. The study of remote controlled missiles is still in the initial stage.
 - f. Visibility ^{at night} up to a distance of 200 meters has been achieved with infra-red light at the Institute.
 - g. English, German, and Russian types of mine detectors have been examined and tested.
 - h. Engineers are working on proximity fuses, using old German material as the basis for their experiments.
5. Both the Third and the Fifth Sections are working on engineering problems, but the Third Section devotes itself to automotive engineering. Recently it became involved in a dispute with the automotive industry about standardization of motors for army use, which has still not been settled. As a result, production of the new army tanks is at a standstill.
6. The Fifth Section is still in the process of organization but it has already developed a railroad bridge built on the Bailey Bridge principle. The longest span between two supports of this bridge is 115 meters.
7. The Fourth Section, which is the Chemistry Section, is experimenting with the substitution of diglycol powders for glycerine powder because glycerine is scarce. Experiments are being made to develop new propelling substances for rockets.
8. The Institute has its main offices in Prague-Dejvice (051/L 78), ulice Tatranskeho pluku, which form the rear part of the large block in which the General Staff is located. Laboratories are situated in Prague-Letnany, Prague-Jeneralka, and Prague-Karlovy.

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9. The Institute is organized as follows:

a. Section I

Dept. 1 Guns, Cannons
 Dept. 2 Ammunition
 Dept. 3 Infantry Weapons
 Dept. 4 Ballistics
 Dept. 5 Optics
 Dept. 6 Rockets - work done at Podmokly and Sternberk
 (Sternberg - P50/N 86)

b. Section II (Electrotechnics)

Dept. 1 Low voltage electrotechnics, Kbely (Gbell -
 051/L 89)
 Dept. 2 High voltage electrotechnics
 Dept. 3 Armament electrotechnics, Prague-Jeneralka

Television Dept. Located at Tanvald (Tannwald - 051/G 36)

c. Section III (Engineering)

Dept. 1 Automobiles
 Dept. 2 Armored vehicles
 Dept. 3 Engines
 Dept. 4 Testing ground for motor vehicles, probably at
 Vorechovka

d. Section IV (Chemistry)

Dept. 1 Special combat methods
 Dept. 2 Explosives
 Dept. 3 Fuels and lubricants, paints, textiles, fibers,
 leather, food
 Dept. 4 General chemistry *

e. Section V (Engineering)

This section has not yet been fully organized, but when
 completed it will be composed of:

Dept. 1 Bridges and ships
 Dept. 2 Blasting techniques
 Dept. 3 Engines
 Dept. 4 Building construction
 Dept. 5 Camouflage
 Dept. 6 Railroads

10. In addition to these sections there is a Department for Mechanical Technology and a Medical Department.

11. In all, the Institute employs about 680 persons of whom 160 are officers, 40 are warrant officers and the remainder are civilians. Practically all military equipment is developed by the Institute. A great deal of effort is expended on improving German, English, and American war surplus materials so that the improved models can be used by the Czechoslovak Army. British, American, and French technical literature is used for reference material, in addition to other sources.

☐ Comment:

* Department 4 of the Chemistry Section is also engaged in atomic research.

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